AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1. (Previously Presented) A polyamide whose main chain comprises chemically bound 1-amino-2-R-cyclopent-1-ene wherein R is a functional group capable of combining with an amino group to form an amide group.

2. (Original) The polyamide according to claim 1 wherein R is selected from the group consisting of carboxylic acid, carboxylic ester, carboxylic amide and nitrile.

3. (Original) The polyamide according to claim 1 wherein R represents nitrile.

4. (Original) The polyamide according to claim 1 wherein R represents carboxylic acid.

5. (Original) The polyamide according to claim 1 wherein R represents carboxylic ester.

6. (Original) The polyamide according to claim 5 wherein R represents a carboxylic ester selected from the group consisting of methyl ester, ethyl ester, n-propyl ester, i-propyl ester, n-butyl ester, s-butyl ester, i-butyl ester and t-butyl ester.

7. (Original) The polyamide according to claim 1 wherein the main chain of said polyamide comprises chemically bound 2-methyl-1,5-diaminopentane.

8. (Previously Presented) The polyamide according to claim 1, wherein the main chain of said polyamide comprises chemically bound 1-amino-2-R-cyclopent-1-ene wherein R is present at a level in the range from 0.001 mol% to 2 mol%, based on 1 mol of acid amide groups of said polyamide.

9. (Previously Presented) A process for preparing a polyamide, which comprises converting monomers suitable for forming a polyamide in the presence of 1-amino-2-R-cyclopent-1-ene, where R is a functional group, according to claim 2.

10. (Previously Presented) A process for preparing a polyamide, which comprises converting oligomers suitable for forming a polyamide into a polyamide in the presence of 1-amino-2-R-cyclopent-1-ene, where R is a functional group, according to claim 2.

11. (Previously Presented) Fibers, films and moldings comprising a polyamide according to claim 1.

12. (Previously Presented) A process for preparing a polyamide, which comprises converting monomers suitable for forming a polyamide in the presence of 1-amino-2-R-cyclopent-1-ene, where R is a functional group selected from the group consisting of carboxylic acid, carboxylic ester, carboxylic amide and nitrile, and the main chain of said polyamide comprises chemically bound 1-amino-2-R-cyclopent-1-ene wherein R is present at a level in the range from 0.001 mol% to 2 mol%, based on 1 mol of acid amide groups of said polyamide.

13. (Previously Presented) A process for preparing a polyamide, which comprises converting oligomers suitable for forming a polyamide in the presence of 1-amino-2-R-cyclopent-1-ene, where R is a functional group is selected from the group consisting of carboxylic acid, carboxylic ester, carboxylic amide and nitrile and the main chain of said polyamide comprises chemically bound 1-amino-2-R-cyclopent-1-ene wherein R is present at a level in the range from 0.001 mol% to 2 mol%, based on 1 mol of acid amide groups of said polyamide.

14. (Previously Presented) A polyamide whose main chain comprises chemically bound 1-amino-2-R-cyclopent-1-ene wherein R is selected from the group consisting of carboxylic

acid, carboxylic ester, carboxylic amide and nitrile, and R is present at a level in the range from 0.001 mol% to 2 mol%, based on 1 mol of acid amide groups of said polyamide.

15. (Previously Presented) The polyamide according to claim 14 wherein R represents nitrile.

16. (Previously Presented) The polyamide according to claim 14 wherein R represents carboxylic acid.

17. (Previously Presented) The polyamide according to claim 14 wherein R represents carboxylic ester.

18. (New) The polyamide according to claim 14 wherein R represents carboxylic amide.